

EX2-8K

SIMPLIFIED
MFG

4K HDMI 2.1 (40Gbps)

Long distance Category Cable

HDMI Extender Kit

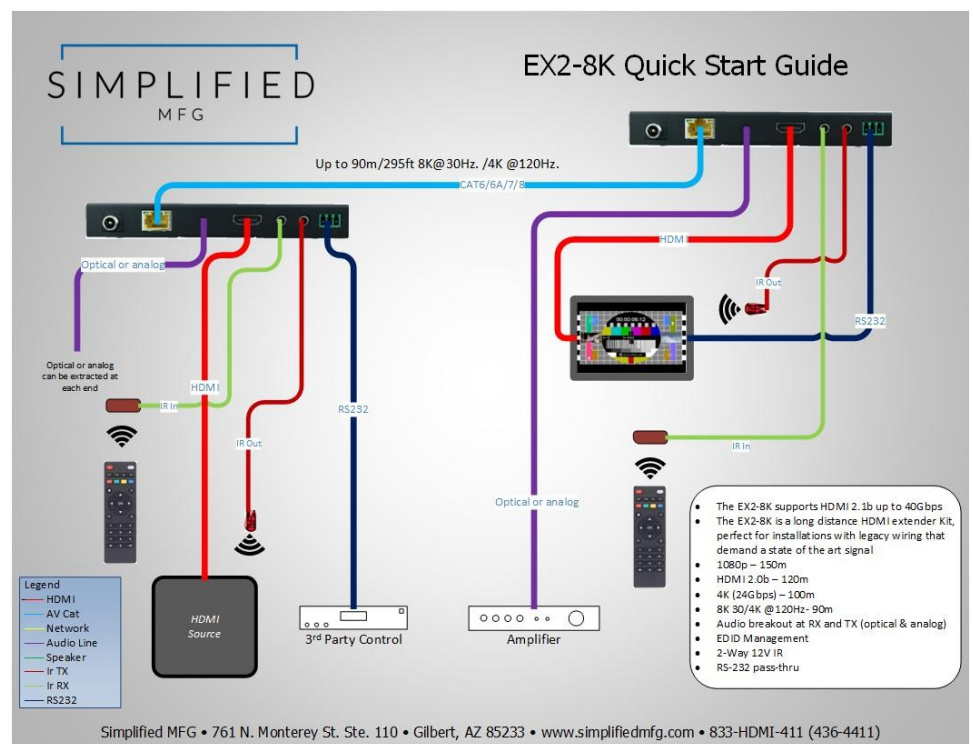
The EX2-8K is a state of the art long distance HDMI 2.1 extender kit. The challenge of legacy wiring and complex signals has forced many to use a highly compressed 1 Gbps format instead of a higher bandwidth/higher quality device like the EX2-8K.

Because of the distance capabilities of this unit, now you can get complex signals over existing infrastructure. The EX2-8K will support 1080p up to 150m, 4K (18Gbps) up to 120m, 4K (24 Gbps) up to 100m, and 4K/8K (40Gbps) up to 90m. In addition this device supports all the advanced features of HDMI 2.1b while featuring EDID management, RS-232 pass-thru, 2-way 12V IR, and optical/analog audio breakout at both the RX and TX. If you want a device that supports anything 4K and will work where other devices will not, the EX2-8K should be your "go to" HDMI extender kit.



Features:

- HDMI 2.1b (40Gbps)
- 4K @120Hz./4K 24Gbps/8K@ 30Hz. Deep color
- Audio breakout at RX and TX
- Uses compact 3.5mm mini-jack for both optical and analog audio
- EDID management
- 2-way 12V control system compatible IR (1 RX & 1TX included)
- Advanced diagnostics
- 3-year warranty



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Specifications:

Technical	
HDMI Compliance	HDMI 2.1.b
HDCP Compliance	HDCP 2.3
Video Bandwidth	40 Gbps
Video Resolutions	All formats up to and including 8K @30Hz. 10-bit color, 4K@120Hz. 10-bit color
HDR	HDR10+, HLG, and DolbyVision™
Color Space	RGB /YCbCr 4:4:4, YCbCr 4:2:2, and YCbCr 4:2:0
Color Depth	8,10, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Transmitter	Inputs: 1x HDMI Type A [19-pin female] Outputs: 1x HDBaseT OUT [RJ45] 1x AUDIO OUT [3.5mm Stereo Mini-jack with S/PDIF adapter] Control: 1x IR IN [3.5mm Mini-jack] 1x IR OUT [3.5mm Mini-jack] 1x RS-232 [3-Pin Phoenix] 1x Service [Mini-USB jack]
Receiver	Inputs: 1 x HDBaseT [RJ-45] Outputs: 1x HDMI Type A [19-pin female] 1x AUDIO OUT [3.5mm Stereo Mini-jack with S/PDIF adapter] Control: 1x IR IN [3.5mm Mini-jack] 1x IR OUT [3.5mm Mini-jack] 1x RS-232 [3-Pin Phoenix] 1x Service [Mini-USB jack]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	140mm/5.5" [W] x 65mm/2.56" [D] x 18mm/.71" [H]
Weight	TX 160g/ 5.64oz. RX 155g/ 5.46oz.
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	20.4W Max— TX 2.46W in standby, 11.28W w/load / RX 3.36W in standby, 10.8W w/load
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)